



Edgewood Area - Aberdeen Proving Ground, Maryland 21010-5424

U.S. Army Soldier and Biological Chemical Command

Light Vehicle Obscuration Smoke System (LVOSS)

Description: The LVOSS is a self-defense smoke/obscurant device made of lightweight materials, which is externally mounted on the host vehicle. The LVOSS has a push button Arming/Firing Unit (A/FU) that allows the operator to select the quadrant to obscure. Additionally, the LVOSS uses M90 smoke grenades that are low in toxicity and minimize safety hazards to personnel and the environment. The LVOSS counters threat weapon systems operating in the visual and near infrared portion of the electromagnetic spectrum.

Background/Status:

Type Classified: Aug 97
NMR: Sep 99

FORSCOM FUE: Nov 99
TRADOC FUE: Jan 00



M7 Discharger

Characteristics: The M304 Installation Kit mounts the M7 Discharger on HMMWVs. The M305 and M310 Installation Kits mount four M7 Dischargers each on M1025/26 and M1114 HMMWVs, respectively.

Nomenclatures:

Discharger, Grenade, Smoke, Countermeasure: Lightweight, M7 (NSN: 1040-01-454-1625)
Installation Kit, Grenade Launcher: Smoke, Light Vehicle, 1-M7 Discharger, Turret Mounted, M304 (NSN: 1055-01-449-1531)
Installation Kit, Grenade Launcher: Smoke, Light Vehicle, 4-M7 Dischargers, Roof Mounted, M305 (NSN: 1055-01-449-1530)
Installation Kit, Grenade Launcher: Smoke, Up-Armored HMMWV, 4-M7 Dischargers, Roof Mounted, M310 (NSN: 1055-01-451-2285)



M304



M305



M310



For additional information, please contact Product Manager-Obscuration and Decontamination Systems, ATTN: AMSSB-PM-RNN-O, Aberdeen Proving Ground, MD 21010-5424. The Product Manager can also be contacted by E-mail (pm.ods@sbccom.apgea.army.mil) or by telephone at 410-436-2804 or DSN 584-2804.